

IN THE CLAIMS

Please amend the claims as follows:

1. (Previously Presented): A dental bleaching agent set comprising:
a first component for applying to a tooth surface comprising an organic solvent containing at least one of a nitrogen doped titanium oxide powder and a titanium oxinitride powder which is photocatalytic in the visible spectral region; and
a second component for applying to the tooth surface after the first component comprising a compound that produces hydrogen peroxide in water, a thickener, and a carrier.
2. (Previously Presented): The dental bleaching agent set as claimed in claim 1, wherein the content of the titanium oxinitride powder is 0.001 ~ 30% by weight based on the total weight of the composition.
3. (Previously Presented): The dental bleaching agent set as claimed in claim 1, wherein the titanium oxinitride powder has a Ti--O--N structure containing nitrogen in its crystalline lattices.
4. (Previously Presented): The bleaching agent set as claimed in claim 1, wherein the at least one of the titanium oxinitride powder and the titanium oxinitride powder carries ceramics on the surface thereof in an island form, an acicular form, or a mesh form.

5. (Currently Amended): The bleaching agent set as claimed in claim 3, wherein at least one of the nitrogen doped titanium oxide powder and the titanium oxinitride powder and the titanium oxinitride powder carries a charge separation substance on the surface thereof.

6. (Previously Presented): The bleaching agent set as claimed in claim 1, wherein the first component further comprises one or more of a metal oxide, a metal salt, and a metal powder.

7. (Previously Presented): The bleaching agent set as claimed in claim 6, wherein the content of one or more of the metal oxide, the metal salt, and the metal powder is 0.001 ~ 10% by weight based on the total weight of the composition.

8. (Previously Presented): The bleaching agent set as claimed in claim 1, wherein the first component further comprises 0.5 ~ 20% by weight of a thickener based on the total weight of the composition.

9. (Previously Presented): The bleaching agent set as claimed in claim 1, wherein the first component further comprises water.

10. (Previously Presented): The bleaching agent set as claimed in claim 1, wherein at least one of the first component and the second component has a pH value of 5.0 ~ 10.0.

11. (Previously Presented): The bleaching agent set as claimed in claim 1, wherein the second component consists of 1 ~ 40% by weight of the compound that produces hydrogen peroxide in water, 0.5 ~ 20% by weight of the thickener, and the balance being the carrier.

12. (Previously Presented): A dental bleaching method comprising the steps of:
applying, to teeth surface, a first component comprising an organic solvent containing at least one of a, a nitrogen doped titanium oxide powder and a titanium oxinitride powder which is photocatalytic in the visible spectral region; and
applying, to the teeth surface after the first component, a second component comprising a compound that produces hydrogen peroxide in water, a thickener, and a carrier; and irradiating light on the teeth surface.

13. (Previously Presented): A dental bleaching method comprising the steps of:
applying a first component on teeth surface;
applying, to the teeth surface after the first component, a second component; and
irradiating light on the teeth surface,
wherein the first component comprises an organic solvent containing 0.001 ~ 30% by weight based on the total weight of the composition of at least one of, a nitrogen doped titanium oxide powder and a titanium oxinitride powder which is photocatalytic in the visible spectral region, and 0.001 ~ 10% by weight based on the total weight of the composition of one or more of a metal oxide, a metal salt and a metal powder; and
wherein the second component comprises 1 ~ 40% by weight of a compound that produces hydrogen peroxide in water, 0.5 ~ 20% by weight of a thickener, and a carrier.

SUPPORT FOR THE AMENDMENTS

Claim 5 has been amended to correct a typographical error. Accordingly, no new matter is believed to have been added to the present application by the amendments submitted above.